

## Use Cases 1:

### Preconditions:

A user says something hateful, disruptive, spam, or profane.

### Main Flow:

The bot monitors the chat for disruptions [S1]. The bot detects malevolent behavior [S2]. The bot reviews the users history [S3]. The bot assigns a punishment to the user [S4].

### Subflows:

[S1] The bot goes through the chat regularly reading through people's messages

[S2] The bot detects that a user is spamming the chat, being profane in the chat, or a user is harassing another user

[S3] The bot reviews the history of the user who committed the malvicence. The bot is looking to see how often, how recently, and how severe the previous malvicences have been.

[S4] Based on the user's history and the severity of the malvicence the bot assigns a punishment. The punishment could be a warning, a temporary ban on typing in the chat, an indefinite ban from the chat, etc.

### Alternative Flow:

[E1] Nobody talks in the chat that day

[E2] Everyone in the chat is respectful and productive

## Use Cases 2:

### Preconditions:

Discussion is occuring in the group chat

### Main Flow:

The bot monitors the chat [S1]. The bot keeps track of how many messages each user sends [S2]. The bot keeps track of how quickly and how often other users respond to there message [S3]. The bot uses an algorithm to determine how much each user added to the discussion [S4].

### Subflows:

[S1] The bot goes through the chat regularly reading through people's messages

[S2] The bot keeps track of how many messages each user sends

[S3] The bot keeps track of the response time for their messages and the amount of messages are sent as a result of messages that they sent.

[S4] Based on the number of messages that the user sent, the response rate, and number of responses from the messages that each user sent in order to determine a score for the user.

### Alternative Flow:

[E1] Nobody talks in the chat that day